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(54) Title: TITANOCENEN-BASED CATALYST SYSTEM

(57) Abstract: A catalyst system obtainable by the process comprising the steps of contacting an adduct of formula (I)  $\text{MgT}_2\text{yAlQ}_j(\text{OR})_{3-j}$  (I) wherein T is chlorine, bromine, or iodine; R is a linear or branched  $\text{C}_1\text{-C}_{10}$  alkyl radical; y ranges from 1.00 to 0.05; and j ranges from 0.01 to 3.00; with at least one metallocene compound having titanium as central metal and at least one ligand having a cyclopentadienyl skeleton with the proviso that the metallocene compound is not previously treated with an organo-aluminium compound or with an alumoxane.



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